

### **MS4** Permit Improvements

- Simplify permit
- Define maximum extent practicable
- Water-quality based
- Reward funded, long-term multi-benefit plans
- Smarter reporting and monitoring

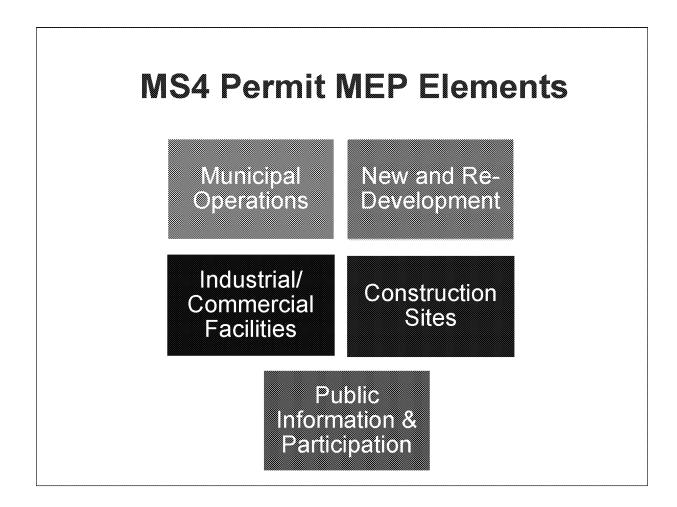
### **Simplify Permits**

Make clear, concise, and auditable

Use performance metrics

Minimize/avoid need to approve plans

Standardize for consistency and economy of scale benefits



MRP 2 includes requirements intended to ensure that discharges of pollutants via the storm drain system are appropriately minimized. It's built around the program areas shown here, which are required by the Clean Water Act. For example, municipal operations, which includes ensuring that municipal corporation yards are operated in a clean way, and industrial and commercial controls, which includes a robust municipal business inspection and enforcement program. MRP 2 follows the structure of MRP 1, in which we've dedicated sections to each of the required components.

As I said, I will focus on areas where there are significant changes between MRP 1 and 2—requirements to reduce PCBs and mercury, and for new and redevelopment projects—plus some other, relatively more minor changes. Otherwise, in most respects, MRP 2 is similar to the previous permit.

#### **Maximum Extent Practicable**

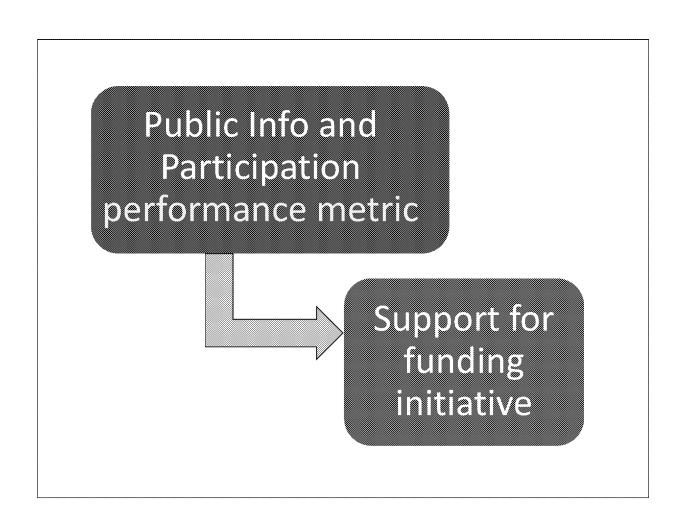
Establish list of controls in each basic program element (e.g., muni operations)



Set MEP performance-metrics for each element or aggregate(s)



Consider scope/effort tiers or scales based on watershed / community characteristics



### **Water Quality Based Controls**

## Establish list of controls for specific or combinations of pollutants

- Within various watershed and community settings
- With effectiveness metrics
   Unit of action benefit, cost, and confidence
- Consider surrogates

   e.g., percent directly connected
   impervious surface area

### **Water Quality Based Controls**

Apply knowledge of pollutant source and treatment controls into models

- Predict and plan reductions over time
  - Appropriate model scale and complexity

Determine iterative permit-term requirements for pollutant(s)

 Based on commitments and updated MEP assessment

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# Reward funded, long-term multi-benefit plans

- Asset management
- · Green infrastructure
- Resource management and protection
- · Committee i
- · Reasonable assurance

- Self-determination
- Alternative compliance
- Requirement exception(s)
- Account for other stuff
- More time!